

**PROCESS FOR PRODUCING A  
VASCULARIZED BIOARTIFIVIAL TISSUE AND  
AN EXPERIMENTAL REACTOR FOR  
CARRYING OUT THE PROCESS**

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**ABSTRACT OF THE DISCLOSURE**

10 The invention concerns a process for producing a three-dimensional  
bioartificial tissue having viable cells in or on a matrix, and by which cells  
and matrix can be cultivated into a tissue or a precursor of a tissue, a  
vascularized tissue of biological materials, obtained by this process, and an  
experimental reactor for scientific purposes and for producing clinically  
usable tissues and organs.